

EXTERNAL CAVITY LASER SOURCE

Abstract

- 5 A multi-wavelength light source with a gain medium and an optical equalizer. The gain medium emits light of a plurality of wavelengths in response to pumping. The gain medium is disposed in an optical cavity that repetitively passes light through the gain medium. The optical cavity supports a plurality of different optical modes having wavelengths coinciding with the plurality of wavelengths emitted by the gain medium.
- 10 The optical equalizer is also in the optical cavity. The optical equalizer adjusts the optical power of at least one of the different optical modes so as to provide more even optical power distribution among the optical modes propagating through the optical cavity.